

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN053023\
 Data File : VN077968.D
 Acq On : 30 May 2023 14:39
 Operator : JC\MD
 Sample : 02973-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 GR-OF-20230526

Quant Time: May 31 02:07:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

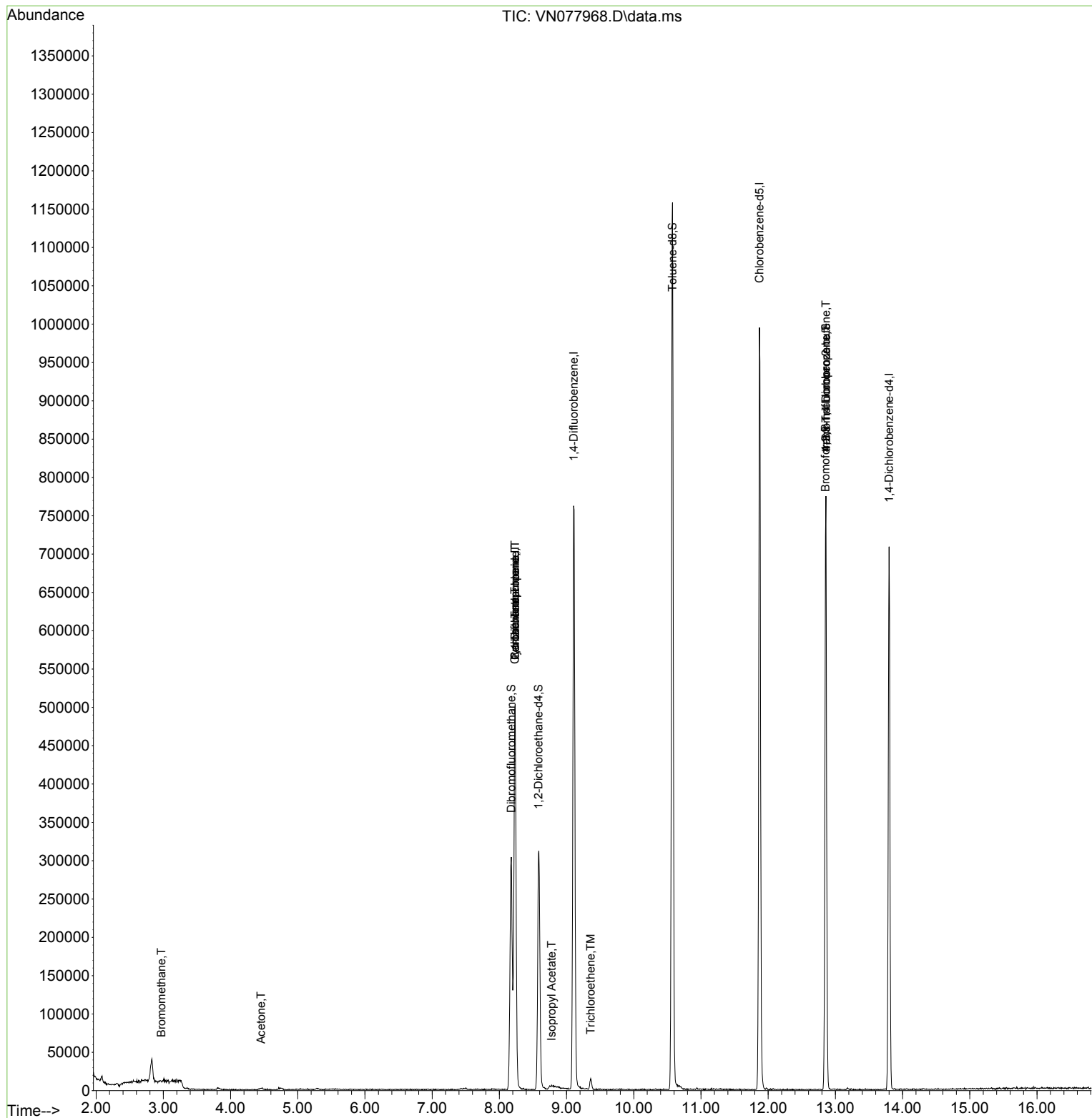
Internal Standards						
1) Pentafluorobenzene	8.235	168	358865	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	676255	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	601924	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	186488	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	266468	49.626	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.260%		
35) Dibromofluoromethane	8.177	113	220277	49.952	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.900%		
50) Toluene-d8	10.576	98	841243	49.562	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.120%		
62) 4-Bromofluorobenzene	12.859	95	275577	45.970	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.940%		
Target Compounds						
3) Chloromethane	2.371	50	1836	Below Cal	Qvalue 94	
5) Bromomethane	2.971	94	1564	0.411 ug/l #	68	
13) Acrolein	4.212	56	156	Below Cal #	72	
16) Acetone	4.453	43	1502	0.889 ug/l #	57	
20) Methylene Chloride	5.277	84	782	Below Cal #	74	
31) Cyclohexane	8.229	56	8963	1.228 ug/l #	7	
36) 1,1-Dichloropropene	8.235	75	32332	5.013 ug/l #	47	
38) Carbon Tetrachloride	8.235	117	40606	6.234 ug/l #	17	
43) Isopropyl Acetate	8.777	43	5801	0.618 ug/l #	50	
44) Trichloroethene	9.359	130	4539	0.942 ug/l	95	
71) Bromoform	12.853	173	1363	0.454 ug/l #	28	
76) 1,2,3-Trichloropropane	12.859	75	145037	31.055 ug/l #	1	
81) trans-1,4-Dichloro-2-b...	12.859	75	145037	99.268 ug/l #	15	

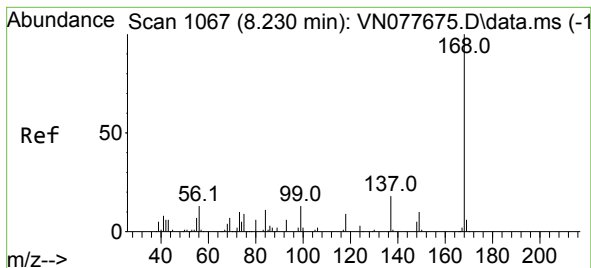
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue May 16 04:07:42 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.235 min Scan# 10

Delta R.T. 0.005 min

Lab File: VN077968.D

Acq: 30 May 2023 14:39

Instrument :

MSVOA_N

ClientSampleId :

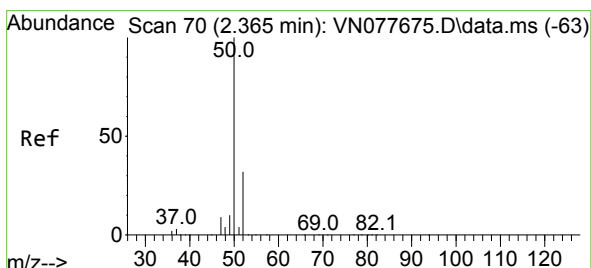
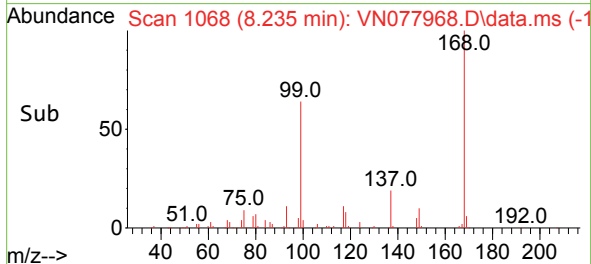
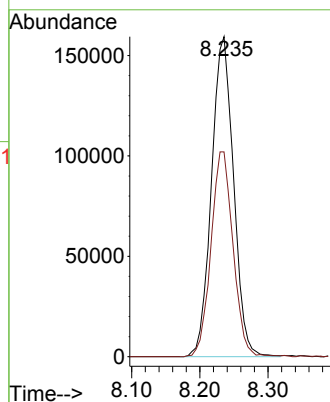
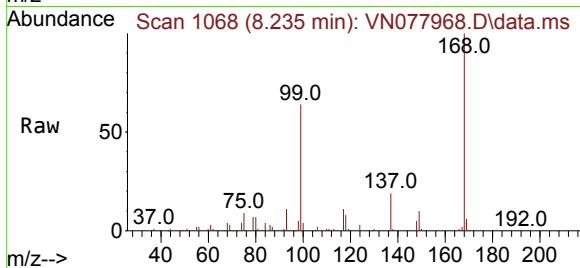
GR-OF-20230526

Tgt Ion:168 Resp: 358865

Ion Ratio Lower Upper

168 100

99 64.0 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.371 min Scan# 71

Delta R.T. 0.006 min

Lab File: VN077968.D

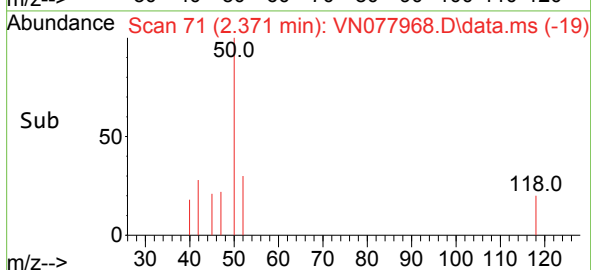
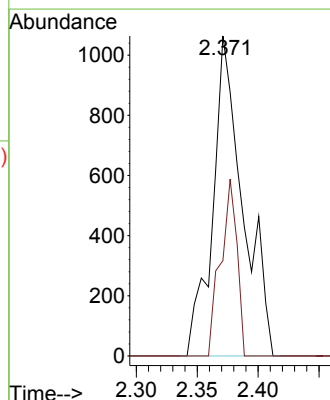
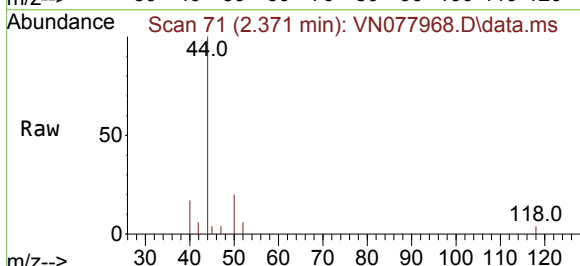
Acq: 30 May 2023 14:39

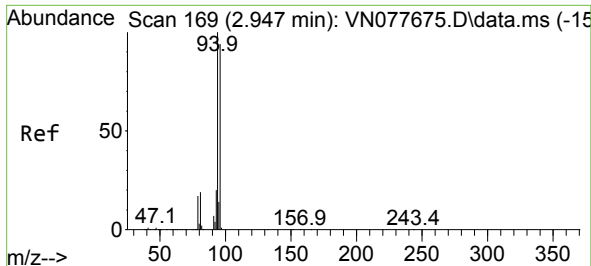
Tgt Ion: 50 Resp: 1836

Ion Ratio Lower Upper

50 100

52 29.8 26.5 39.7

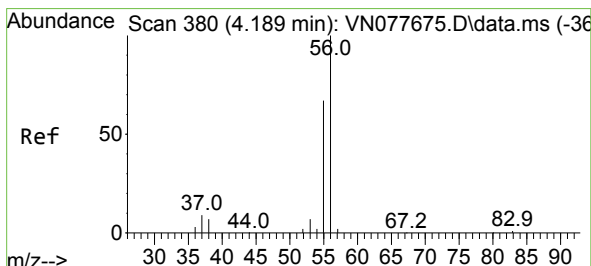
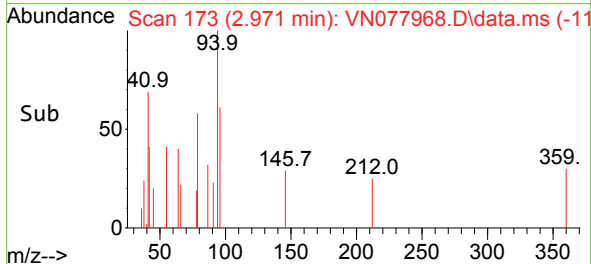
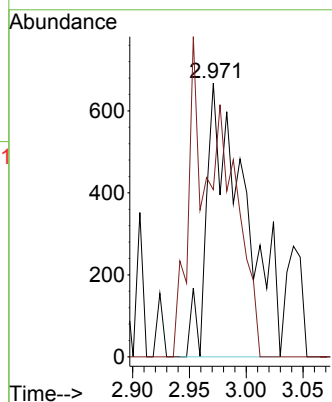
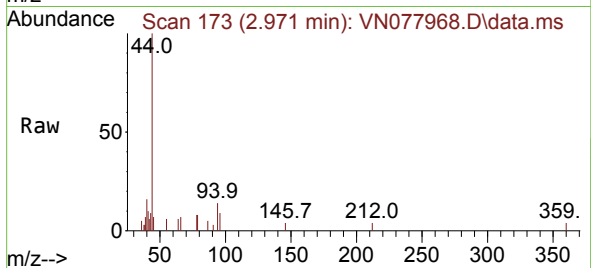




#5
Bromomethane
Concen: 0.411 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN077968.D
Acq: 30 May 2023 14:39

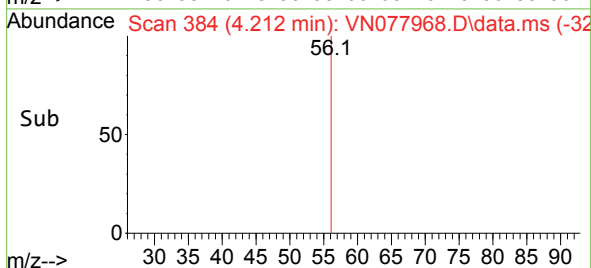
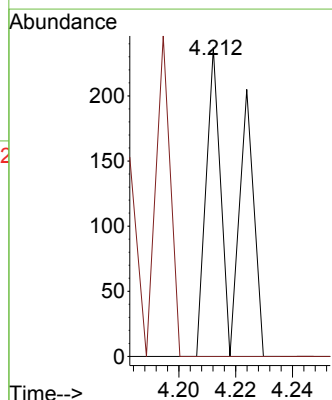
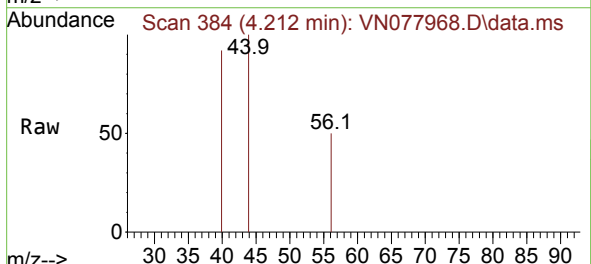
Instrument :
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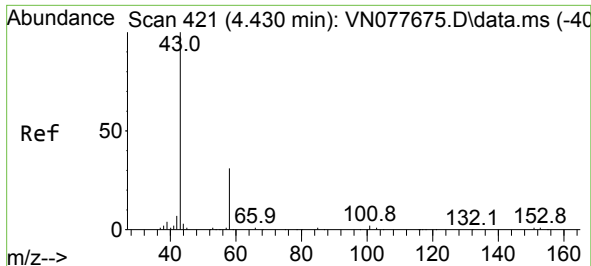
Tgt Ion: 94 Resp: 1564
Ion Ratio Lower Upper
94 100
96 61.1 73.1 109.7#



#13
Acrolein
Concen: Below Cal
RT: 4.212 min Scan# 384
Delta R.T. 0.023 min
Lab File: VN077968.D
Acq: 30 May 2023 14:39

Tgt Ion: 56 Resp: 156
Ion Ratio Lower Upper
56 100
55 90.4 54.5 81.7#

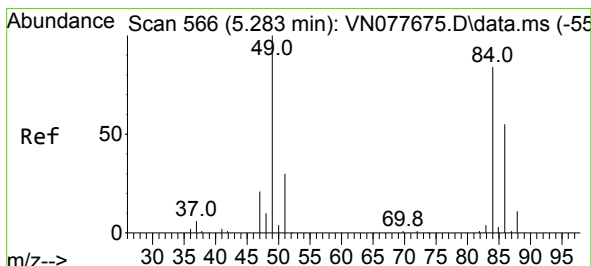
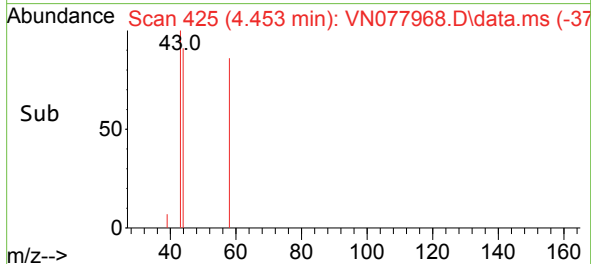
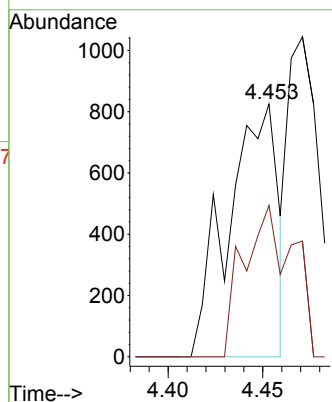
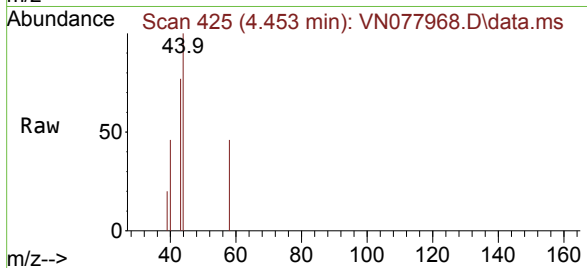




#16
Acetone
Concen: 0.889 ug/l
RT: 4.453 min Scan# 41
Delta R.T. 0.023 min
Lab File: VN077968.D
Acq: 30 May 2023 14:39

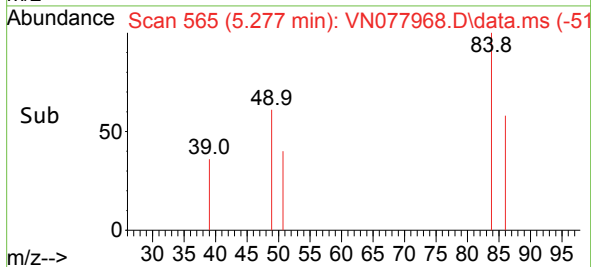
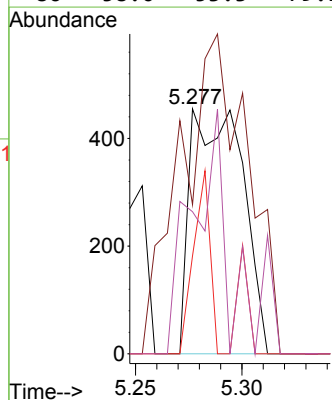
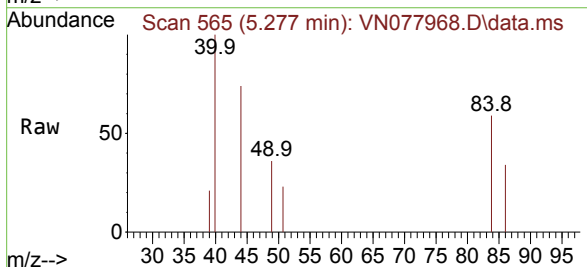
Instrument :
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ClientSampleId :
GR-OF-20230526

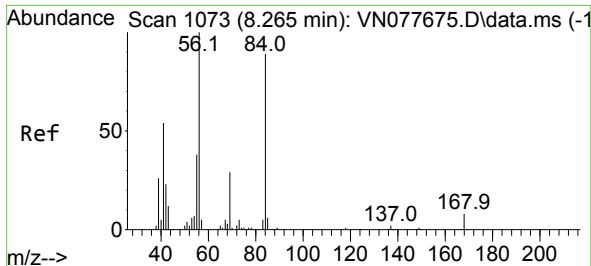
Tgt Ion: 43 Resp: 1502
Ion Ratio Lower Upper
43 100
58 59.9 28.0 42.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.277 min Scan# 565
Delta R.T. -0.006 min
Lab File: VN077968.D
Acq: 30 May 2023 14:39

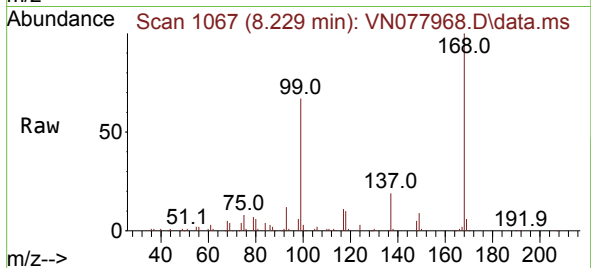
Tgt Ion: 84 Resp: 782
Ion Ratio Lower Upper
84 100
49 60.9 79.7 119.5#
51 40.0 25.2 37.8#
86 58.0 53.3 79.9



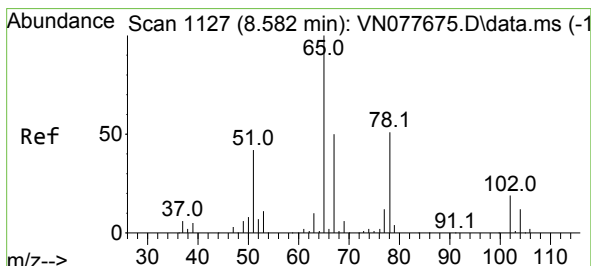
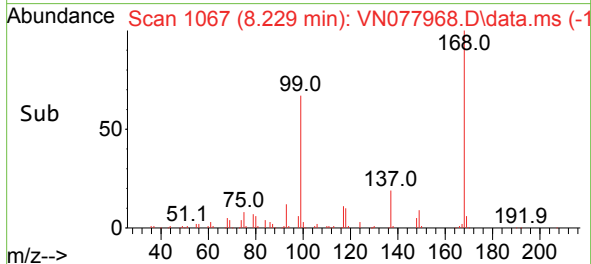
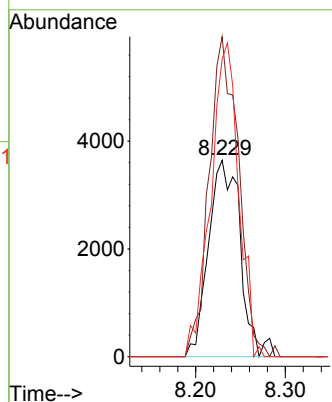


#31
Cyclohexane
Concen: 1.228 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.036 min
Lab File: VN077968.D
Acq: 30 May 2023 14:39

Instrument :
MSVOA_N
ClientSampleId :
GR-OF-20230526

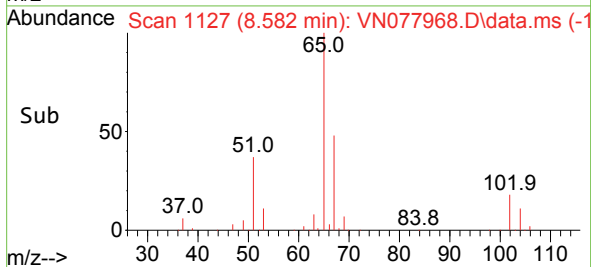
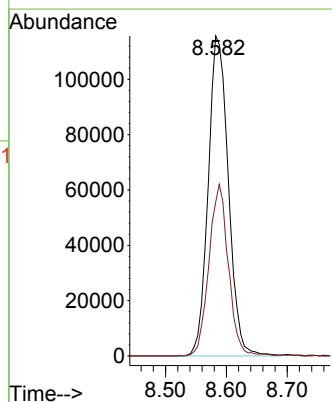
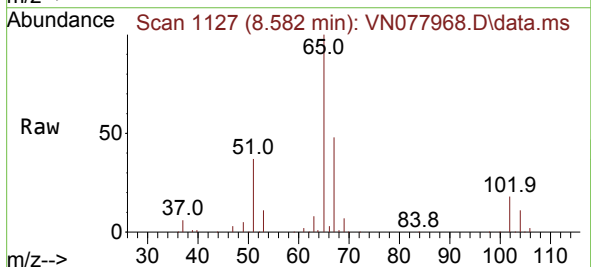


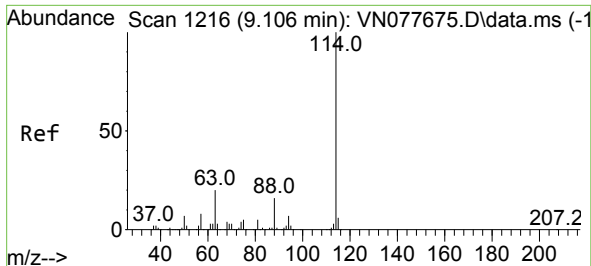
Tgt Ion: 56 Resp: 8963
Ion Ratio Lower Upper
56 100
69 163.0 26.8 40.2#
84 151.5 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 49.626 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN077968.D
Acq: 30 May 2023 14:39

Tgt Ion: 65 Resp: 266468
Ion Ratio Lower Upper
65 100
67 51.8 0.0 106.6

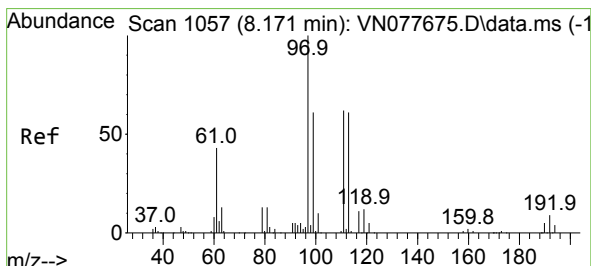
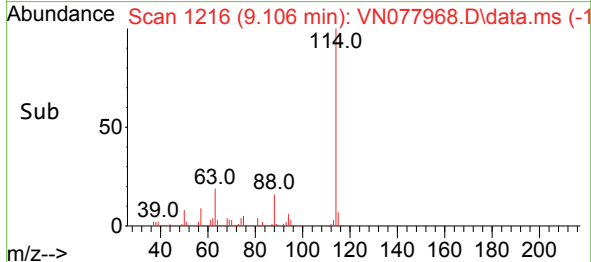
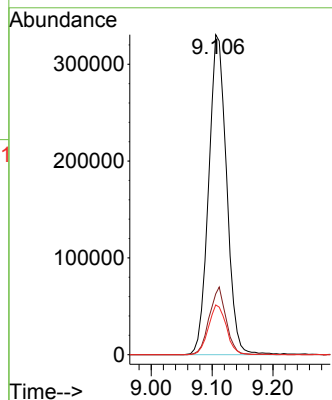
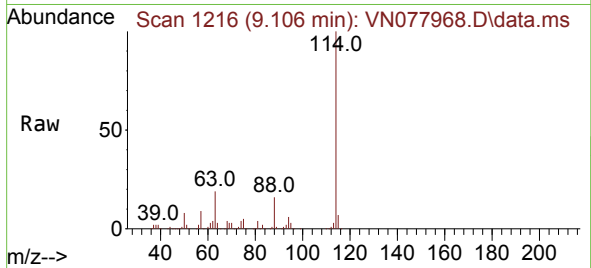




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077968.D
Acq: 30 May 2023 14:39

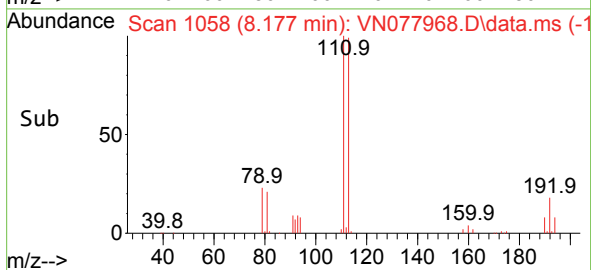
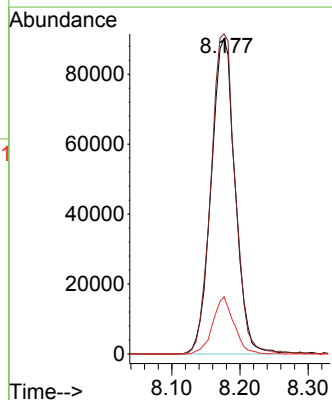
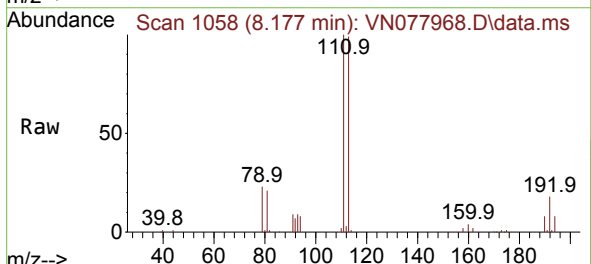
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ClientSampleId :
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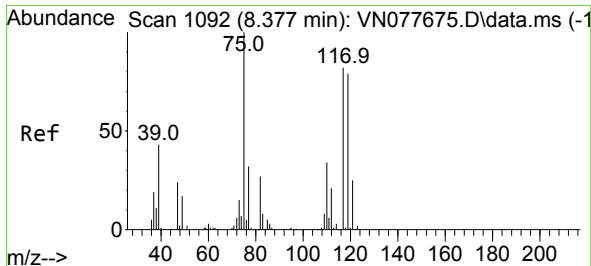
Tgt Ion:114 Resp: 676255
Ion Ratio Lower Upper
114 100
63 19.0 0.0 36.4
88 15.5 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.952 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN077968.D
Acq: 30 May 2023 14:39

Tgt Ion:113 Resp: 220277
Ion Ratio Lower Upper
113 100
111 103.2 82.6 123.8
192 16.1 12.7 19.1





#36

1,1-Dichloropropene

Concen: 5.013 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.142 min

Lab File: VN077968.D

Acq: 30 May 2023 14:39

Instrument :

MSVOA_N

ClientSampleId :

GR-OF-20230526

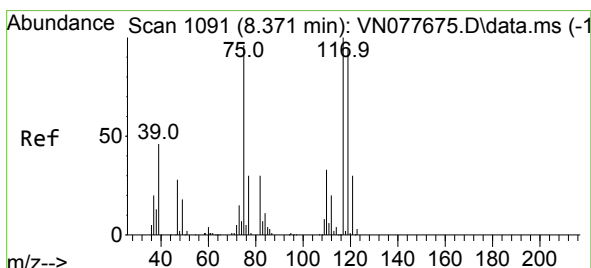
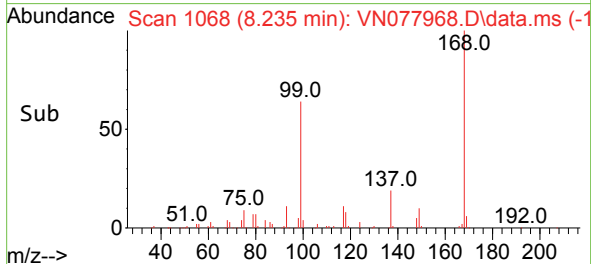
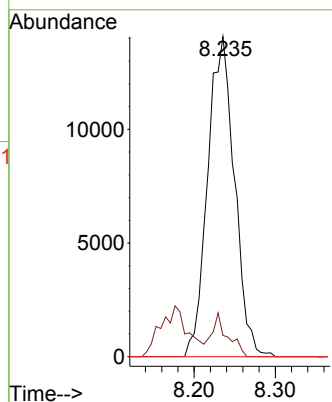
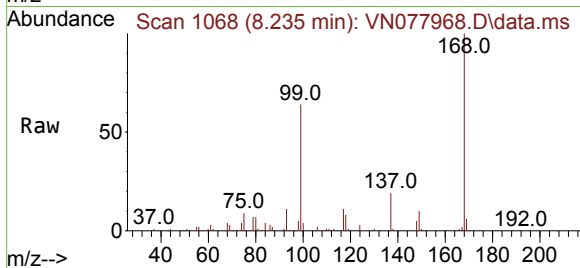
Tgt Ion: 75 Resp: 32332

Ion Ratio Lower Upper

75 100

110 8.0 19.1 57.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.234 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.136 min

Lab File: VN077968.D

Acq: 30 May 2023 14:39

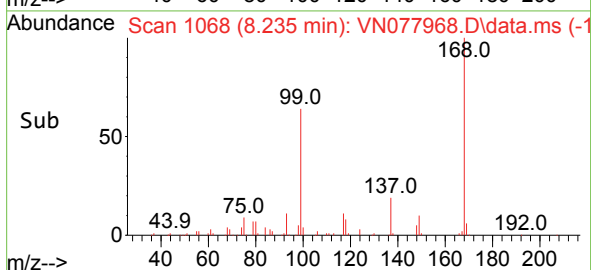
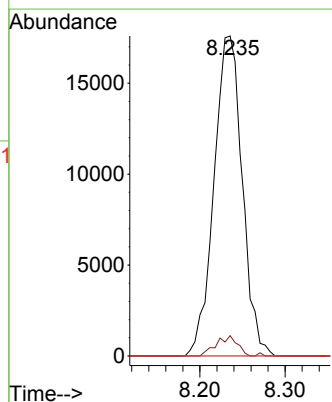
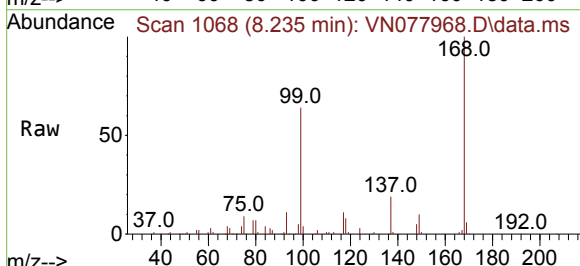
Tgt Ion: 117 Resp: 40606

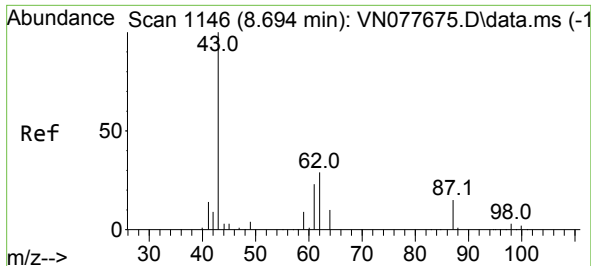
Ion Ratio Lower Upper

117 100

119 6.4 77.3 115.9#

121 0.0 23.3 34.9#

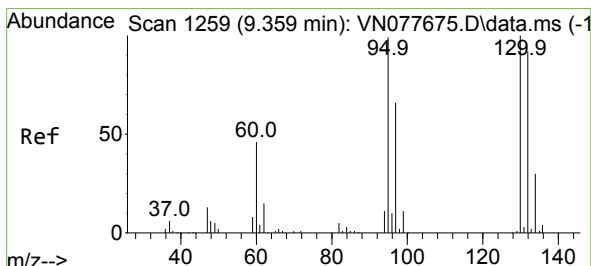
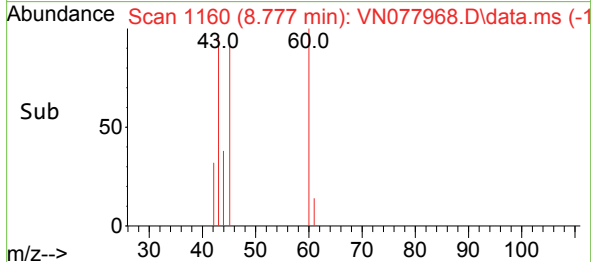
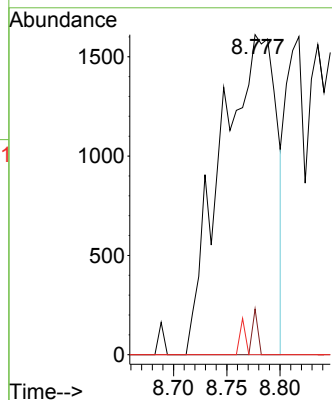
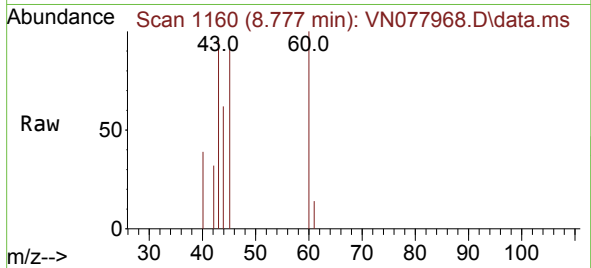




#43
Isopropyl Acetate
Concen: 0.618 ug/l
RT: 8.777 min Scan# 1160
Delta R.T. 0.083 min
Lab File: VN077968.D
Acq: 30 May 2023 14:39

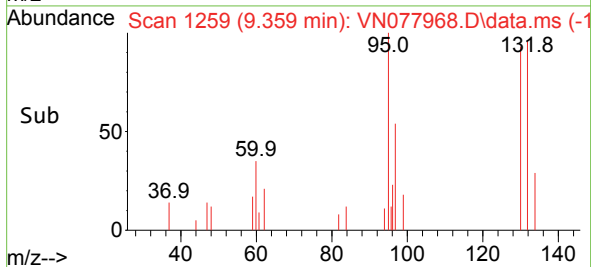
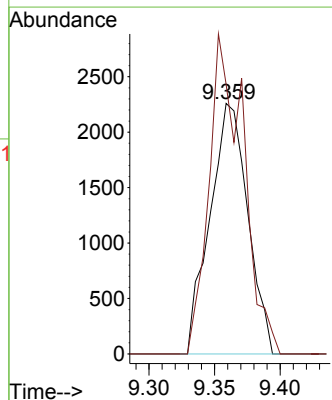
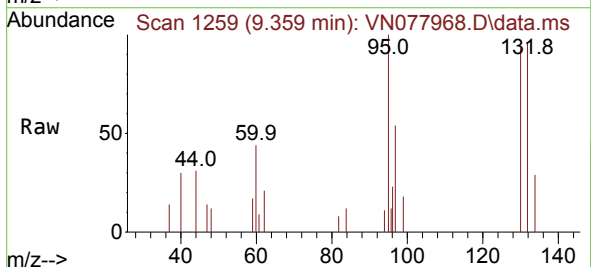
Instrument :
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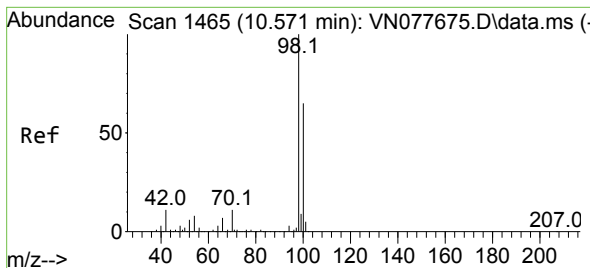
Tgt Ion: 43 Resp: 5801
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 1.1 14.6 21.8#



#44
Trichloroethene
Concen: 0.942 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VN077968.D
Acq: 30 May 2023 14:39

Tgt Ion: 130 Resp: 4539
Ion Ratio Lower Upper
130 100
95 107.7 0.0 204.6

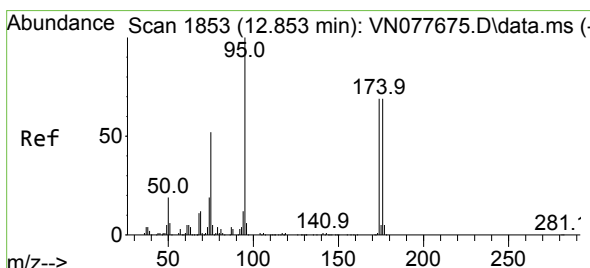
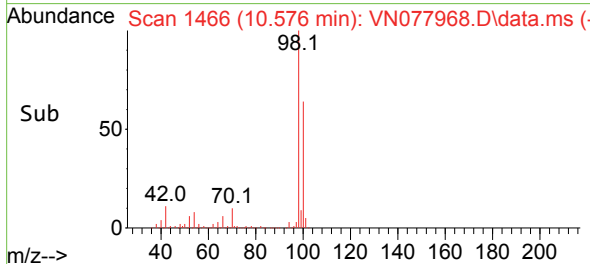
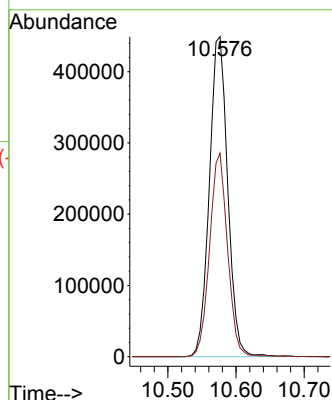
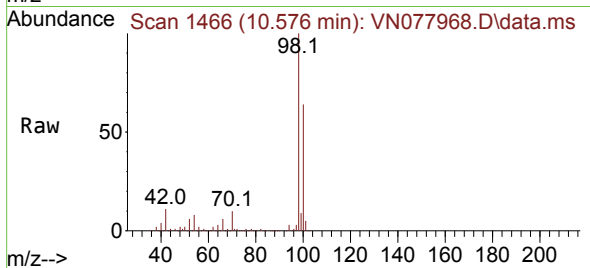




#50
Toluene-d8
Concen: 49.562 ug/l
RT: 10.576 min Scan# 1465
Delta R.T. 0.005 min
Lab File: VN077968.D
Acq: 30 May 2023 14:39

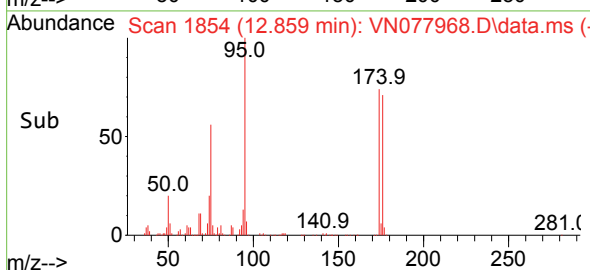
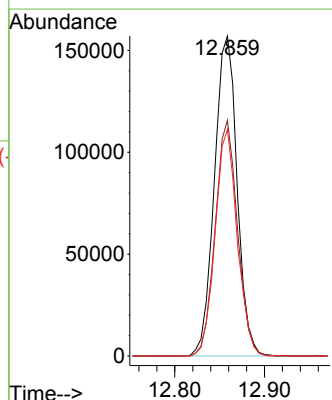
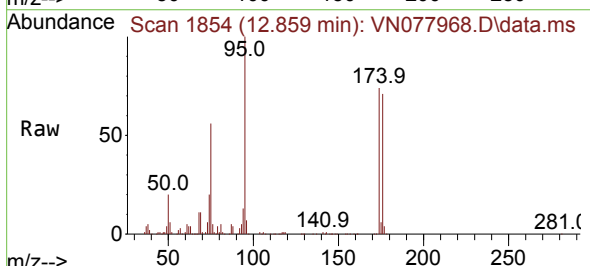
Instrument :
MSVOA_N
ClientSampleId :
GR-OF-20230526

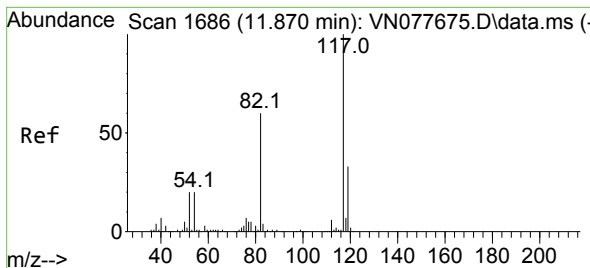
Tgt Ion: 98 Resp: 841243
Ion Ratio Lower Upper
98 100
100 62.2 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 45.970 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VN077968.D
Acq: 30 May 2023 14:39

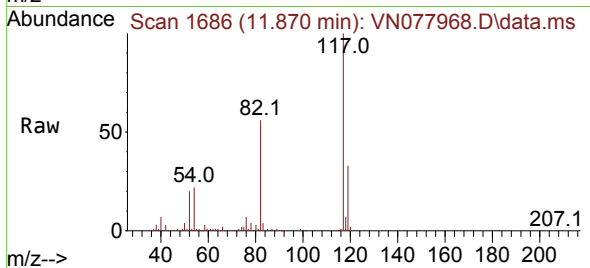
Tgt Ion: 95 Resp: 275577
Ion Ratio Lower Upper
95 100
174 72.4 0.0 143.8
176 68.7 0.0 135.8



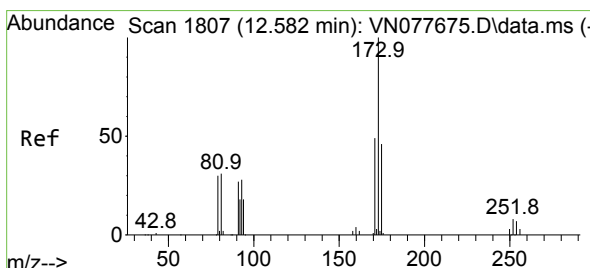
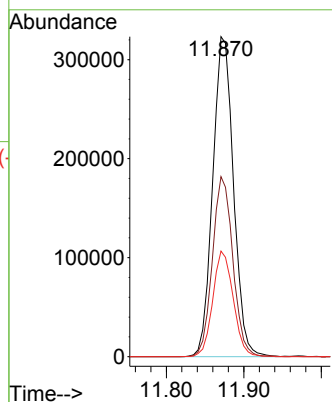
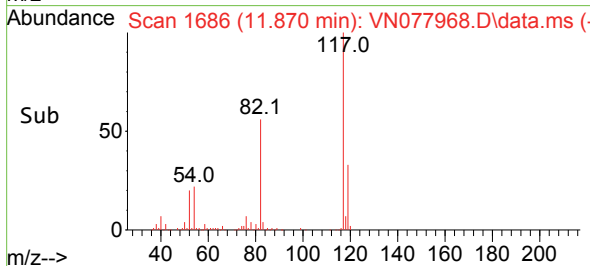


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VN077968.D
Acq: 30 May 2023 14:39

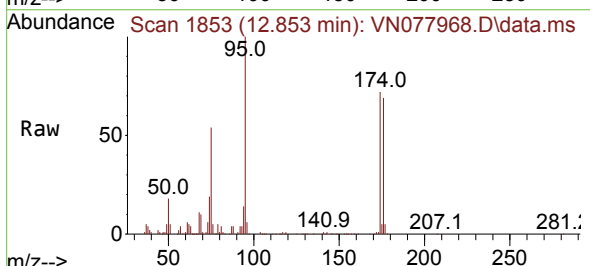
Instrument :
MSVOA_N
ClientSampleId :
GR-OF-20230526



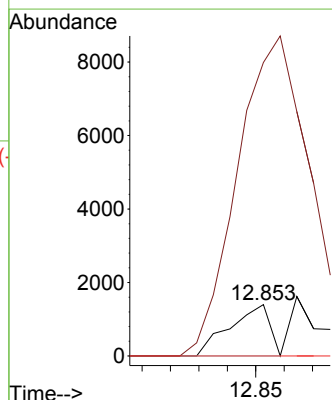
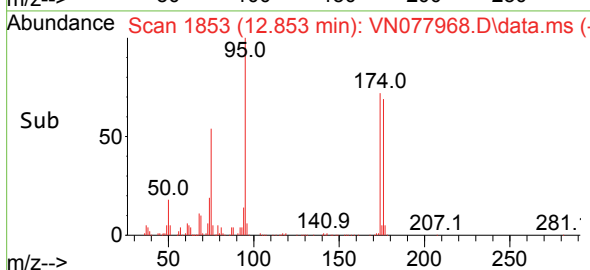
Tgt Ion:117 Resp: 601924
Ion Ratio Lower Upper
117 100
82 56.2 44.0 66.0
119 33.0 25.6 38.4

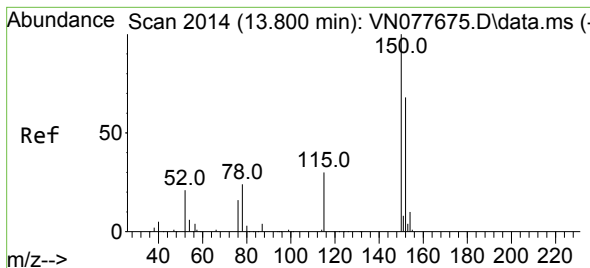


#71
Bromoform
Concen: 0.454 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN077968.D
Acq: 30 May 2023 14:39



Tgt Ion:173 Resp: 1363
Ion Ratio Lower Upper
173 100
175 0.0 24.3 73.0#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 20

Delta R.T. -0.000 min

Lab File: VN077968.D

Acq: 30 May 2023 14:39

Instrument :

MSVOA_N

ClientSampleId :

GR-OF-20230526

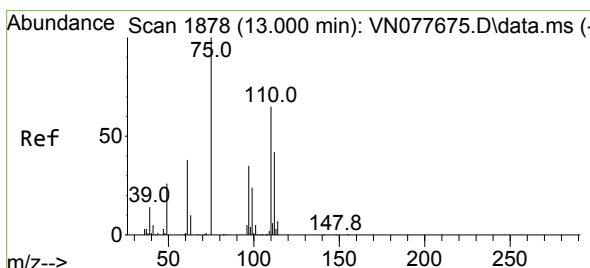
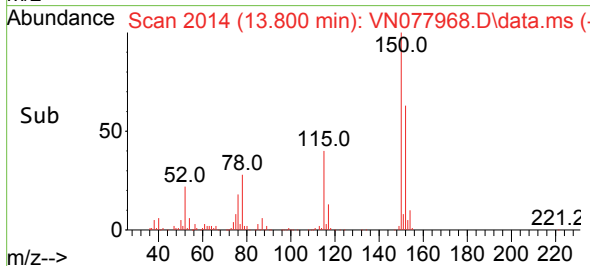
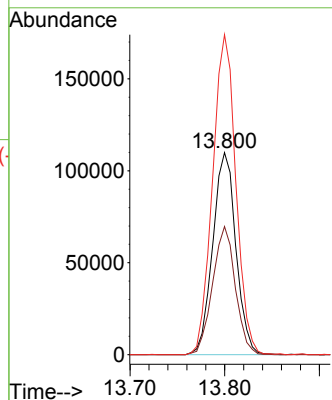
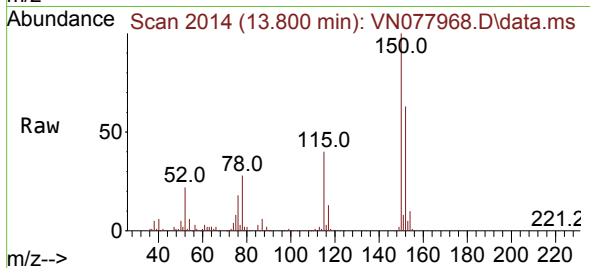
Tgt Ion:152 Resp: 186488

Ion Ratio Lower Upper

152 100

115 62.4 32.3 96.8

150 159.1 0.0 355.8



#76

1,2,3-Trichloropropane

Concen: 31.055 ug/l

RT: 12.859 min Scan# 1854

Delta R.T. -0.141 min

Lab File: VN077968.D

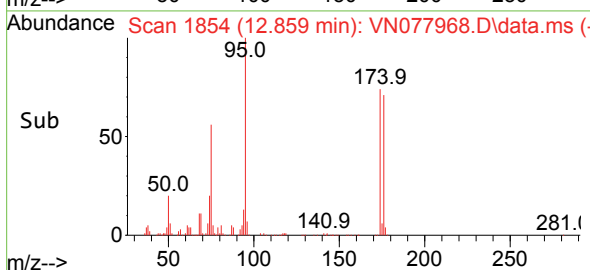
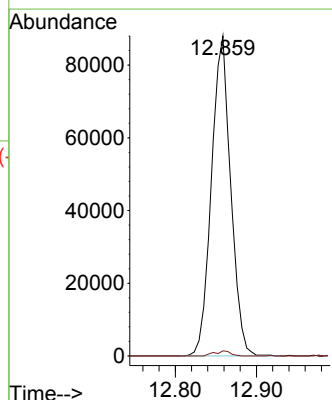
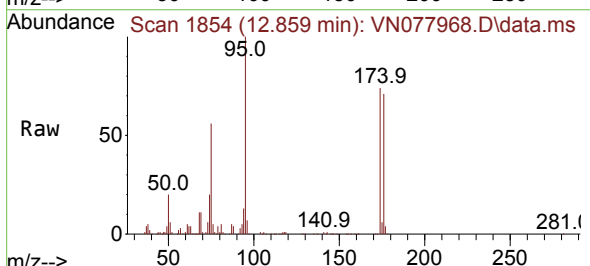
Acq: 30 May 2023 14:39

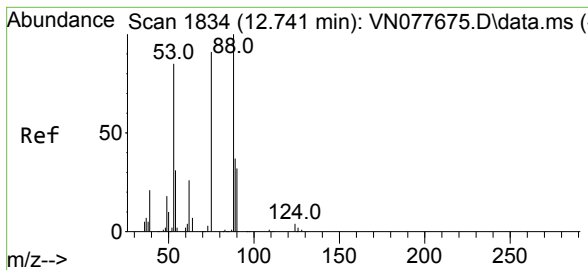
Tgt Ion: 75 Resp: 145037

Ion Ratio Lower Upper

75 100

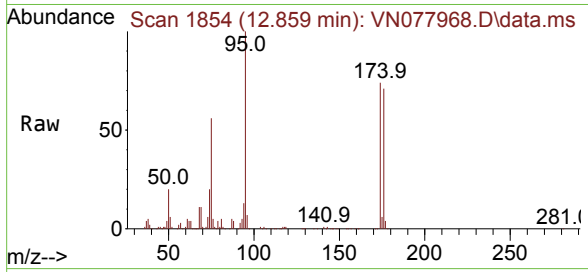
77 1.3 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 99.268 ug/l
 RT: 12.859 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN077968.D
 Acq: 30 May 2023 14:39

Instrument :
 MSVOA_N
 ClientSampleId :
 GR-OF-20230526



Tgt Ion: 75 Resp: 145037
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.0 38.8 58.2#

